

Modeling and Simulation Information Analysis Center (MSIAC)



Briefing Outline

- **What is MSIAC**
- **What Services and Support Does it Provide - Why Should the Community Care?**
- **How Does a User Use MSIAC**
- **What's the Cost for Using MSIAC**
- **Summary**
- **Questions**

What is MSIAC Mission?

GENERAL IAC MISSION

- **Improve the productivity** of Defense researchers, engineers, operators, and program managers by:
 - Serving the research, development and acquisition communities
 - Collecting, analyzing, synthesizing and disseminating worldwide STOSI
- **Promote standardization** within specific technical areas.
- Provide in-depth analysis services
- Create specialized technical information products.

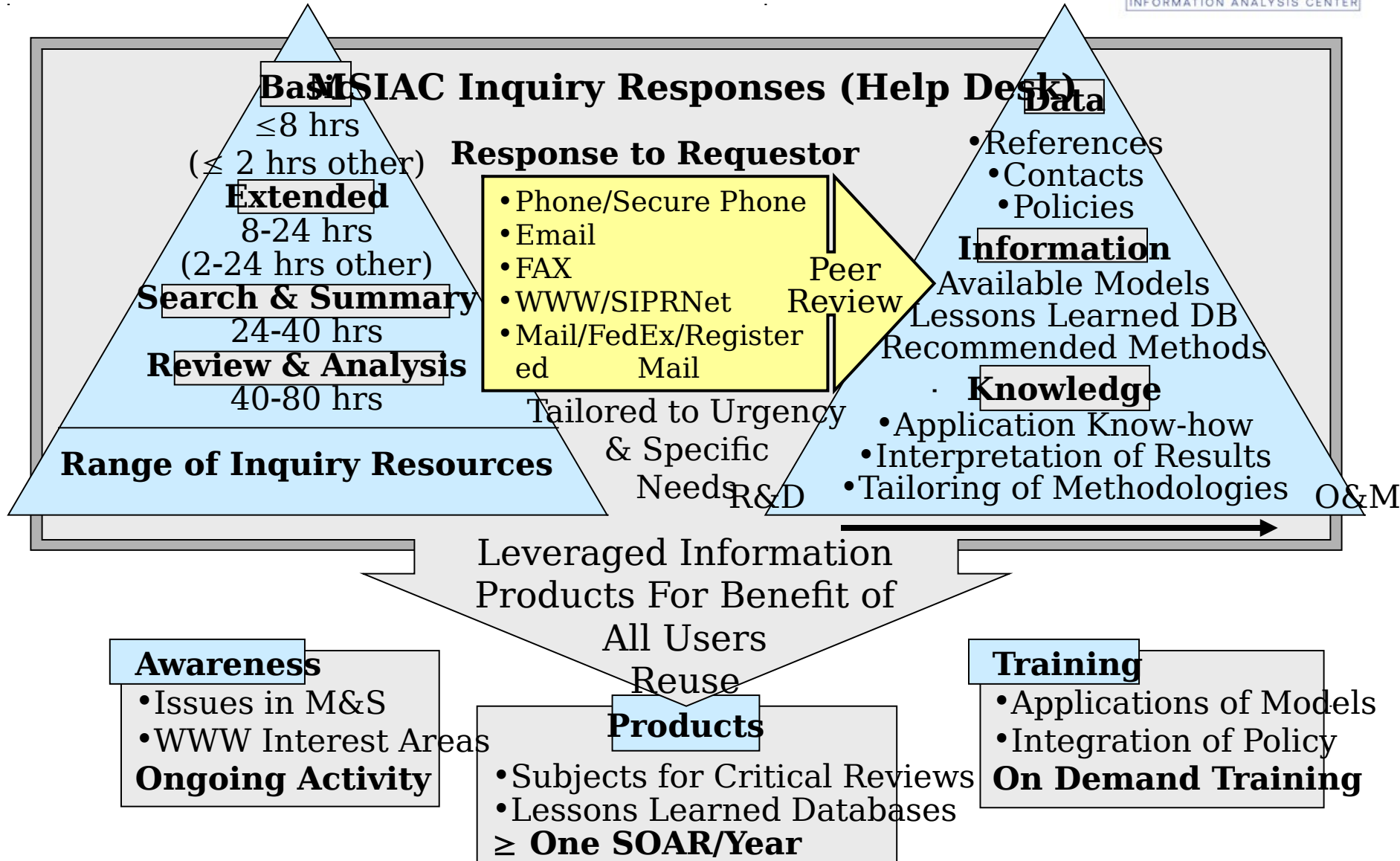
MSIAC MISSION

- Be a **Center of Excellence for M&S** knowledge
- Productivity through **reuse and interoperability**
- Supporting M&S across all phases of life cycle
- Interface of real-world systems with M&S technology
- Application of M&S to support **operational effectiveness**
- TATs for operational support; S&T; E&T; employment of M&S; MSRR; software; conferences; VV&A; HLA

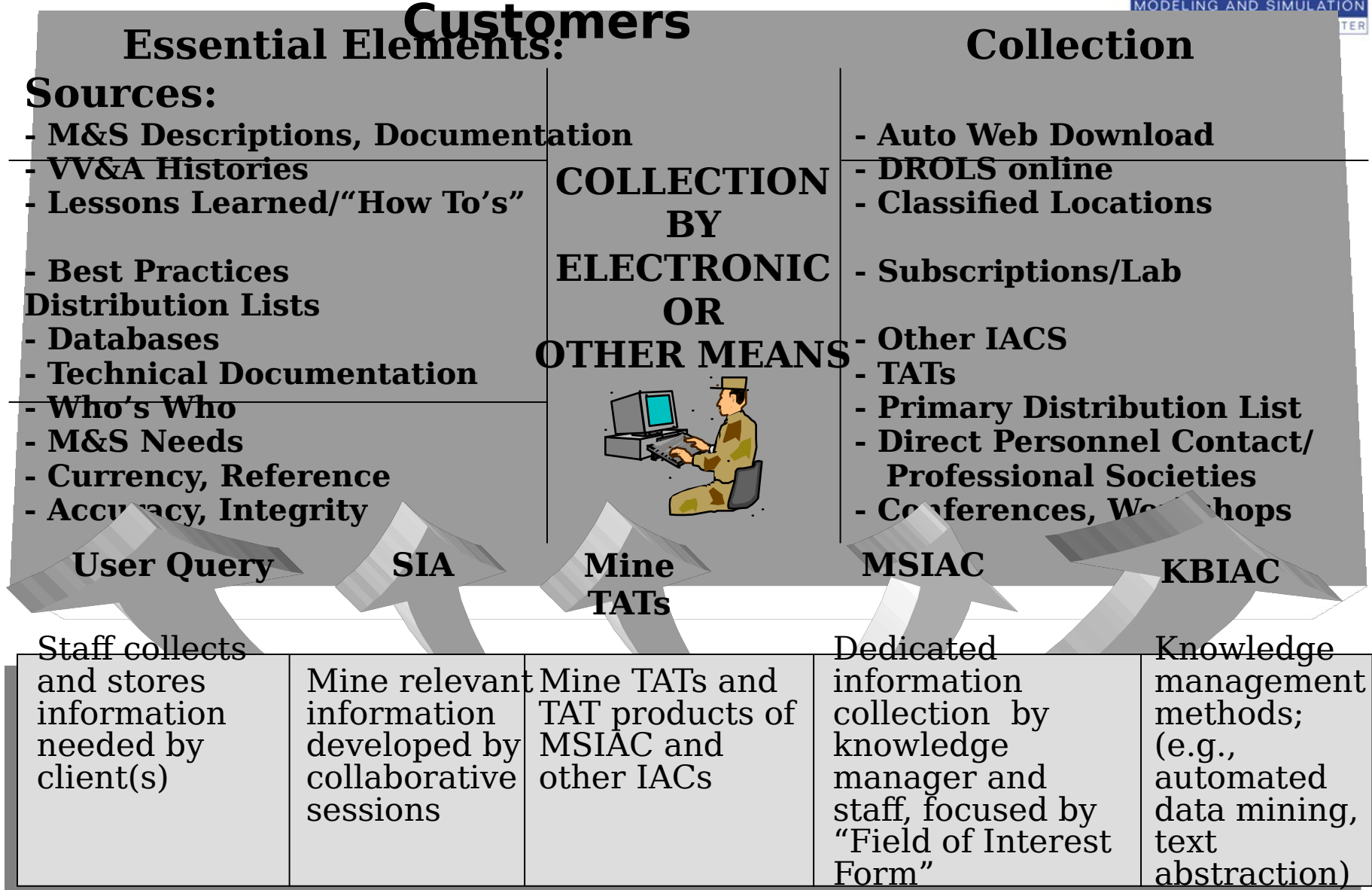
What is MSIAC?

- **A Help Desk**
- **A Technical Support Staff**
 - **Independent Technical Assessment, IV&V, Design and Development support**
- **A Operational Support Staff**
 - **Event design, planning, execution support and assessment**
- **A M&S Knowledge Source**
- **A Place to Access Community Support Activities**
 - **M&S Calendar**
 - **M&S Special Interest Areas**
 - **Currently available: OOTW, Training, SBA, Master Plan, Impact Assessment, HOBM**
 - **M&S State of the Art**
 - **M&S Support Services**

Solving User Problems



MSIAC Information Supports over 3,000



MSIAC Provides Access to M&S SMEs

Define SME

Criteria

- Ongoing **proactive** requirements
- Customer

Specifications

Identifying SME

- The Team
- Subcontractors
- MSOSA/DMSTTIAC SME Databases
- Standards Bodies
- Personal Networks
- Authors Search
- Major M&S Conferences
- Industry, Academia

SME Database

as of 1/14/99

RecID: 153 Contact Code: 55

Honorific Title: First MI Last: Grade: GS-15

MI Org: U.S. Forces SubOrgSupported: KBSC SubOrg: Korean Battle Sim SecSupported: DoD

PhoneOrg: 011-822-79 15-802 Street/Address: Korea Battle Simulation Center

FaxOrg: 011-822-79 15-802 City/Code/State/Zip: APO AP 96204-0050

Base: Country: EmailOrg: SheaJ@usfk.korea.army.mil

OrgJob Title: Director Team Community

Category total: Common Tech Framework: 28 Common Services: 92 Employment Knowledge: 117 Technical Exploitation: 103 Technical Knowledge: 103

<input type="checkbox"/> HLA HelpDesk <input type="checkbox"/> HLA Comoli Test <input type="checkbox"/> HLA Standards <input type="checkbox"/> HLA TechJewel <input type="checkbox"/> DataStandards <input type="checkbox"/> CMMS <input type="checkbox"/> Other...	<input type="checkbox"/> RepResources <input type="checkbox"/> W&A <input type="checkbox"/> Repositories <input type="checkbox"/> CommNetworks <input type="checkbox"/> HelpDesks <input type="checkbox"/> Fincation <input checked="" type="checkbox"/> Training <input type="checkbox"/> QualityImpact <input type="checkbox"/> Other...	<input checked="" type="checkbox"/> CAX_Design <input checked="" type="checkbox"/> CampaignDev <input type="checkbox"/> SBA <input checked="" type="checkbox"/> ExDesign <input type="checkbox"/> Experiment <input checked="" type="checkbox"/> Training <input checked="" type="checkbox"/> DOTW <input checked="" type="checkbox"/> WMD <input type="checkbox"/> Complex Emerg <input type="checkbox"/> Other...	<input checked="" type="checkbox"/> DecisionSpTools <input type="checkbox"/> CaseTools <input type="checkbox"/> Virtua Prototyping <input type="checkbox"/> CALI/CAM <input type="checkbox"/> SBA <input checked="" type="checkbox"/> OOTY <input checked="" type="checkbox"/> WMD <input type="checkbox"/> Other...	<input type="checkbox"/> Object Or Pgm <input type="checkbox"/> DataModeling <input checked="" type="checkbox"/> Modeling <input type="checkbox"/> Computer Science <input type="checkbox"/> Other...
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Competence Level: (5 H)

Remarks:

Acquiring SM

- Community SME
- Matrix from Team
- Subcontractor SM

SME Referral

- Knowledge Manager
- Help Desk Staff
- TAT Managers
- Community Access

MSIAC Products & Services Are Significantly Impacting DoD

• NATO M&S Master Plan

Fostered simulation **reuse and interoperability in NATO**

• MPARE Master Plan for SOCOM

Integrates mission planning, constructive simulations,

• M&S Staff Officer Course

Five day course provides M&S orientation for staff officers

• Smart Weapons Training Seminar

Hold nine times annually

• PDD62: WMD M&S Assessment

DDR&E Uses for WMD R&D

• Battle Lab Handbook for DMSO

Categorization of battle labs and resources

Database support for PM

Commanche

Source for free terrain database provided **cost**

avoidance of \$1 million for PM-Commanche

• USEUCOM Spectrum Study

Basis for use of M&S in support of OOTW

• USAREUR: Bosnia Training Tool Tradeoff

Assessment of Training Tools for Pre-Bosnia Deployment

• CENTCOM-Middle East:

Planning process for Converting from Live

• Joint Strike Fighter SIA

SIA web site provides forum for development/configuration control of JIMM

• SBA SIA for DMSO

Collaborative SIA to develop SBA Roadmap

Examples of How MSIAC Could Help

Support Requirement	Representative Product/Service	Representative Approach (Begin by understanding user-based requirements & assist customer in defining his needs)
What Is JSAF?	User Inquiry Response "White Paper on JSAF" detailing capabilities & limitations	• Search MSRR, DROL, M&S Catalogs • Consult JSAF developers and user base • Synthesize, Peer Review and disseminate
M&S Employment Information ('How-To-Guide')	SOAR : User's Guide for use of M&S to support joint training	• Contact CINC staffs and SIM for documents • Establish Open Response Forum (ORF) • Synthesize results, Peer Review, and Disseminate
How Could I get Community Support to Develop a SBA Roadmap?	Other Current Awareness Product: Special Interest Area for SBA	• Obtain COTR Approval • Establish Special Interest Area, appoint facilitator, and execute
Military Exercise and Demonstration Support	TAT : Develop Recommendations for testing the 20-Ton Truck in a Virtual Environment	• Follow procedures in TAT Implementation Guide
M&S Education	Education and Training On-Line M&S Orientation Course	• Conduct Needs Assessment • Obtain COTR approval for course & for cost recovery approach • Based on needs assessment, convert existing M&S 101 to DL Format • Gain IIT Accreditation (If desired) • Conduct Course—collect feedback

MSIAC Extensive Existing Customer Base

ARMY

- AMSO
- AMC
- ARL
- DUSA-IA
- DAMO-SS, TR
- DCSOPS
- DISC4
- NSC
- FT KNOX
- DSCDOC
- TRADOC
- FT HOOD
- STRICOM
- TARDEC
- FORCSOM

OSD

- DTIC
- DUSD (Log)
- USD R/R&R
- DoDEA
- DMSO
- DIA
- DARPA
- AQ
- TNE
- DLA

MARINE

- MCCDC

NAVY

- SPAWAR
- NAVMSMO
- NAVAIR
- OEA
- NAVSEA
- JSIMS (M)
- PEO SC 21
- NRL
- NAWC
- NSWC
- CAN
- PEOCU

USAF

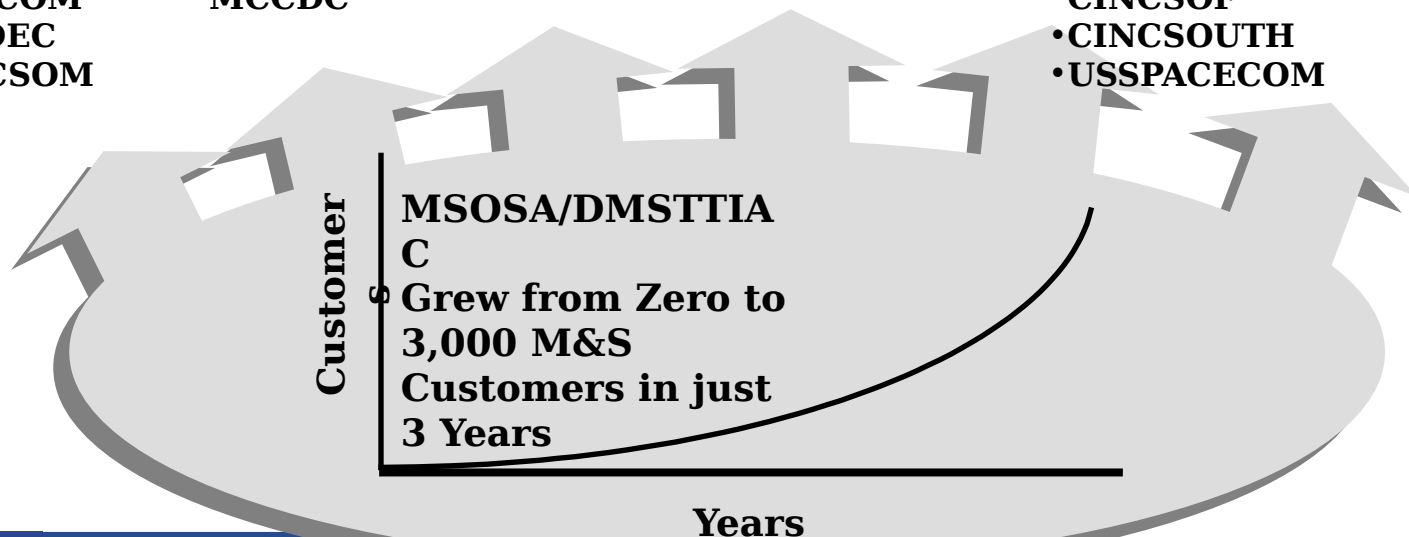
- Air Staff (XO, XP)
- ACC; ALC; AMC
- AFDTC
- AC2A
- JWID
- AJECT
- DMT
- EFX
- FPBL
- AFMC; AFRL

JOINT

- J7, 8, 9
- JTASC
- JWFC
- WPC
- SOCOM
- ASDSOLIC
- JSF
- BMDO
- OSD C3I (CISA)
- CINCLANT
- CINCPAC
- CINCCENT
- CINCSOF
- CINCSOUTH
- USSPACECOM

OTHER

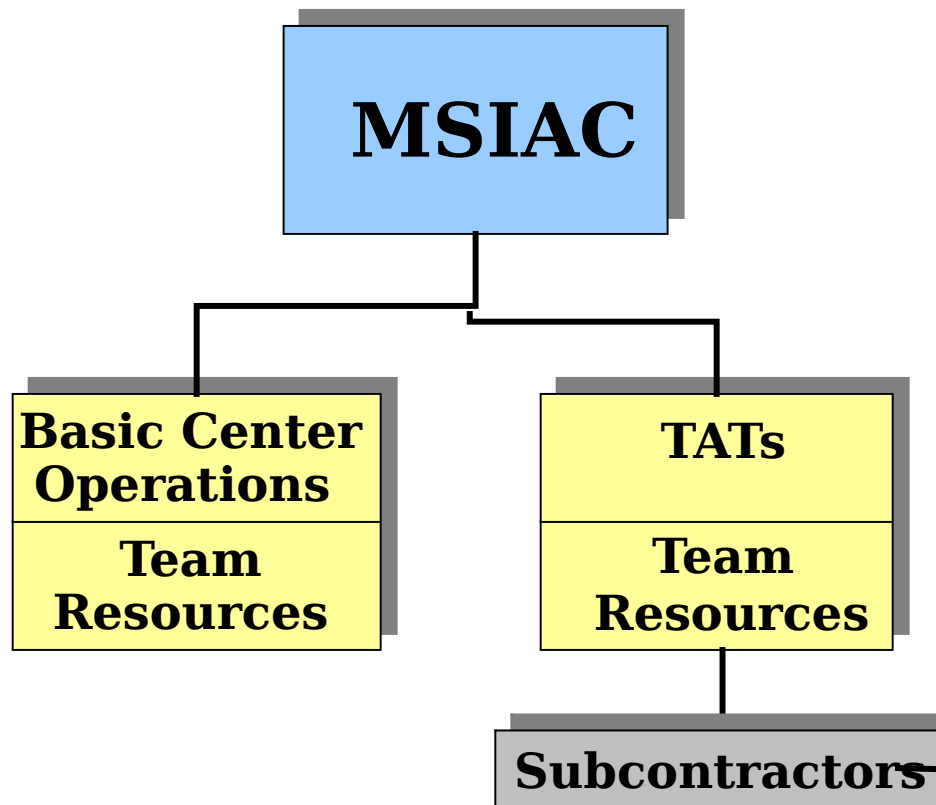
- National Guard
- Contractors
- NASA
- USDOT
- CMU
- GSA
- State Department
- FBI
- IRS
- USDOE
- USDOC



MSIAC & the MSRR

- **MSIAC provides life cycle support to DMSO MSRR Node**
 - **Registrar**
 - **Help Desk**
 - **Systems Administration**
 - **Sustainment**
- **MSIAC Adds content to MSRR**
(has more than doubled MSRR holdings since MSIAC award)
 - **Information in other repositories not duplicated**
 - **Recent Adds**
 - **Contents Joint Model Catalog provided by J-8**
 - **Extensive Inventory of Medical Models**
 - **Extensive Inventory of WMD Models**

Pre-selected Subcontractors: “The M&S Community’s Proven ALL-STARS”



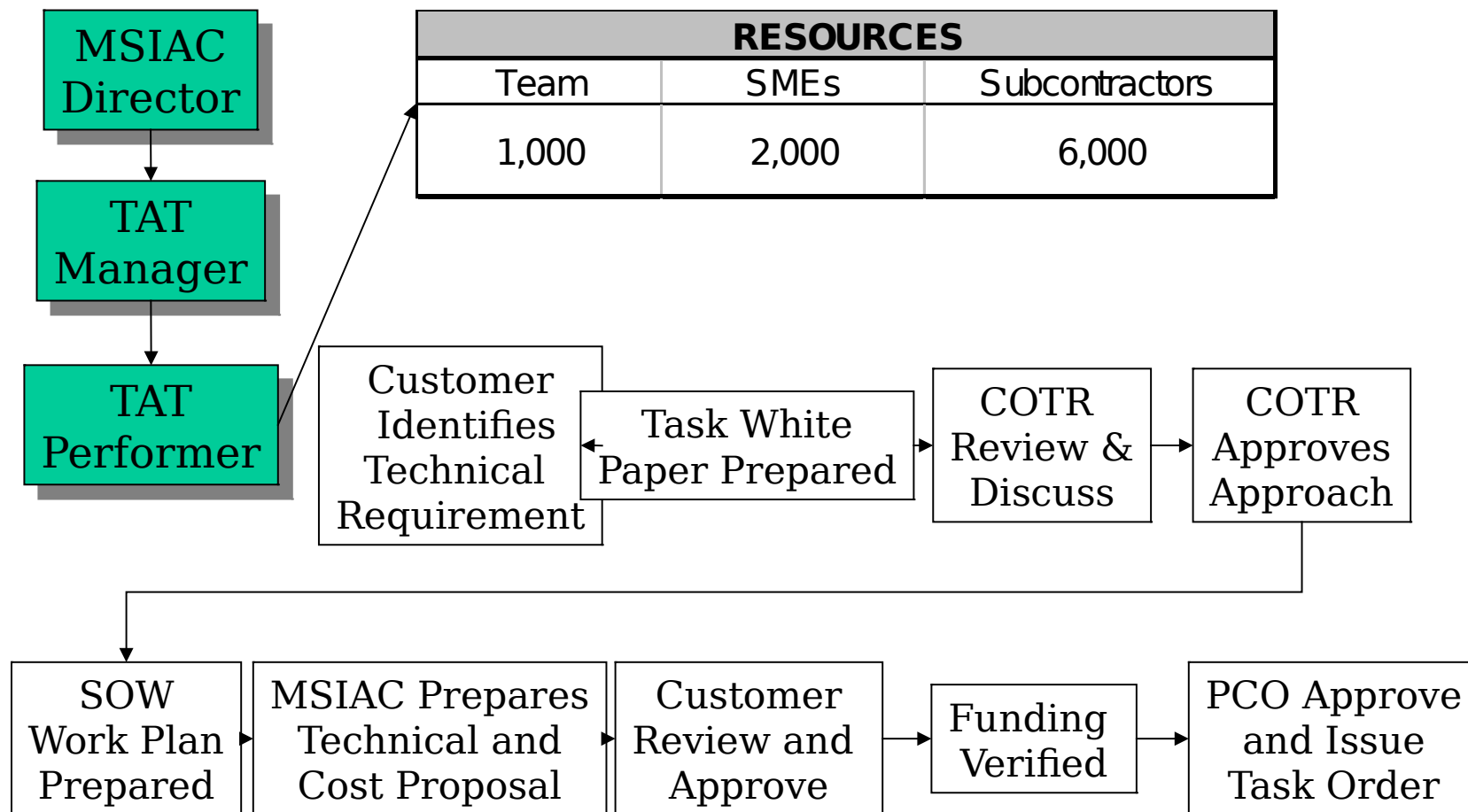
**Pre-selected subcontractors
provide resources to
supplement available staff
expertise**

SB/SDB* Subcontractor	Participation Specialty
AEGIS	Education & Training
SAIC	SBA, Visualization
IMC*	CMMS
Innotiv (Augins)*	MSRR
Camber	Simulation, Training
VTC*	RTI Help Desk
ITT	M&S Technologies
Skyward*	Weapon Systems Models
UCF/IST	Education & Training
GTRI	HLA Tools
Nichols	Military Ops Analysis
Trident	Acquisition M&S

Technical Area Task Categories

- **Operational support services**
 - **M&S Scientific and technical analysis**
 - **M&S education and training**
 - **M&S employment assistance**
 - **Technical and management support to MSRR**
 - **Software and documentation distribution**
 - **M&S conference support**
 - **VV&A technical assistance**
 - **High Level Architecture compliance support**
 - **Simulation impact assessments**
 - **Dedicated support task**
 - **Communications requirement definition and service allocation**
- (TATs performed on a fee for service basis)**

Proven Process to Select the Right Resources to Perform TATs



IITRI has Managed 100s of TATs

MSIAC Homepage



Address http://www.msiac.dnso.mil/ Links

MODELING AND SIMULATION INFORMATION ANALYSIS CENTER
msiac

**MODELING AND SIMULATION
INFORMATION ANALYSIS CENTER**

HELP DESK
M&S FAQs
M&S CALENDAR
M&S NEWS
M&S LINKS
MSRR
DMSO
DTIC

"Your 'one-stop-shop' for Modeling and Simulation information and assistance"

Welcome to the [Defense Modeling and Simulation Information Analysis Center \(MSIAC\)](#) on the internet. Our mission is to assist Department of Defense activities in meeting their M&S needs by providing scientific, technical, and operational support information and services.

MSIAC is a Department of Defense Information Analysis Center, sponsored by the [Defense Technical Information Center](#) and the [Defense Modeling and Simulation Office](#).

[Modeling and Simulation IAC \(MSIAC\) - Awarded 18 May 99, to IIT Research Institute](#)

To Contact the MSIAC



On the Internet

<http://www.msiac.dmsi.mil>

SIPRNet: <http://207.85.140.166>

Email Address

msiac@msis.dmsi.mil

For SIPRNET E-mail call the Help Desk

MSIAC HELP DESK

(703) 998-1623/24

Fax: (703) 998-1625

Toll Free Number

CONUS: 1-888-566-7672

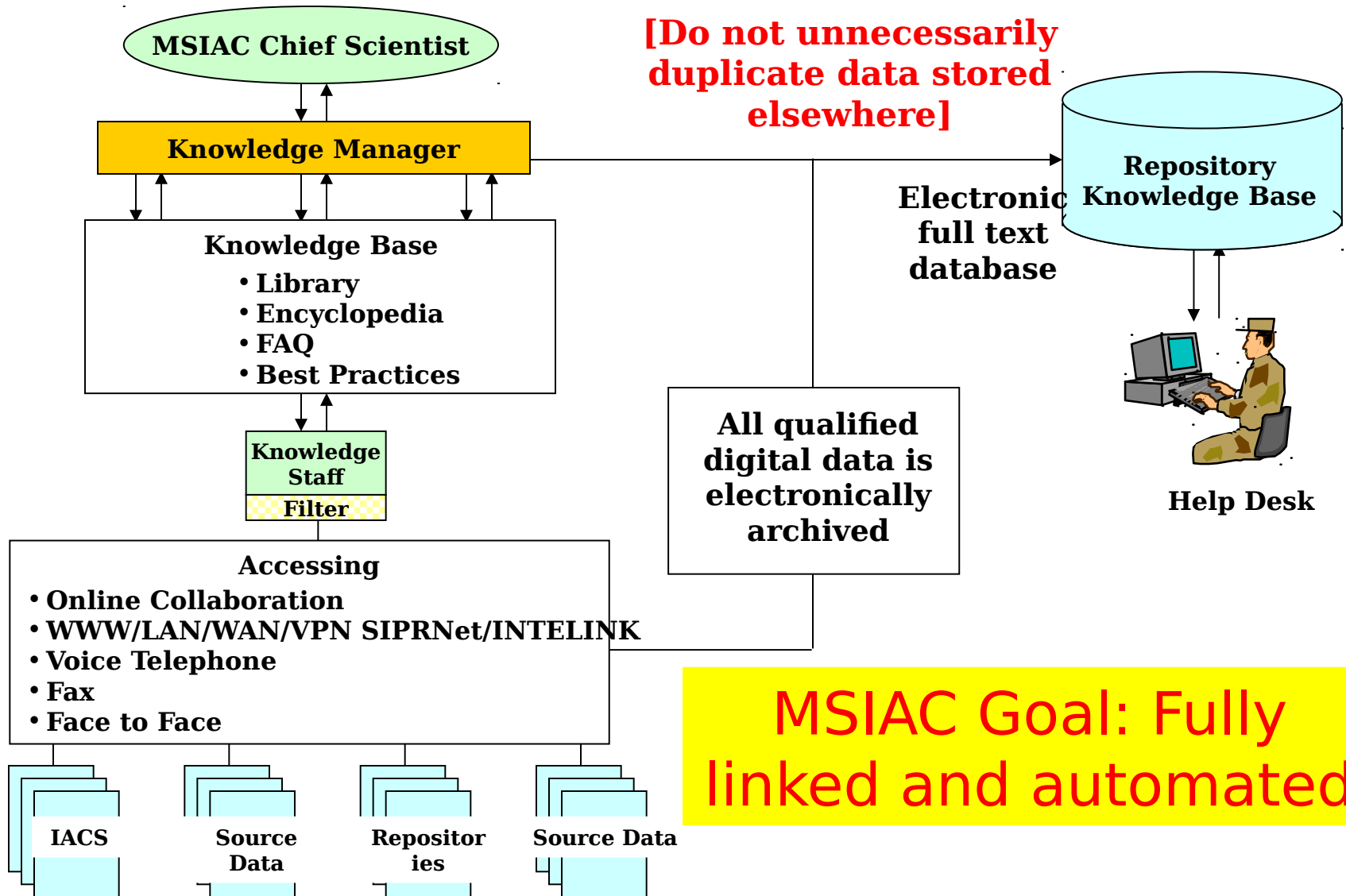
MSIAC Director

Phil Abold

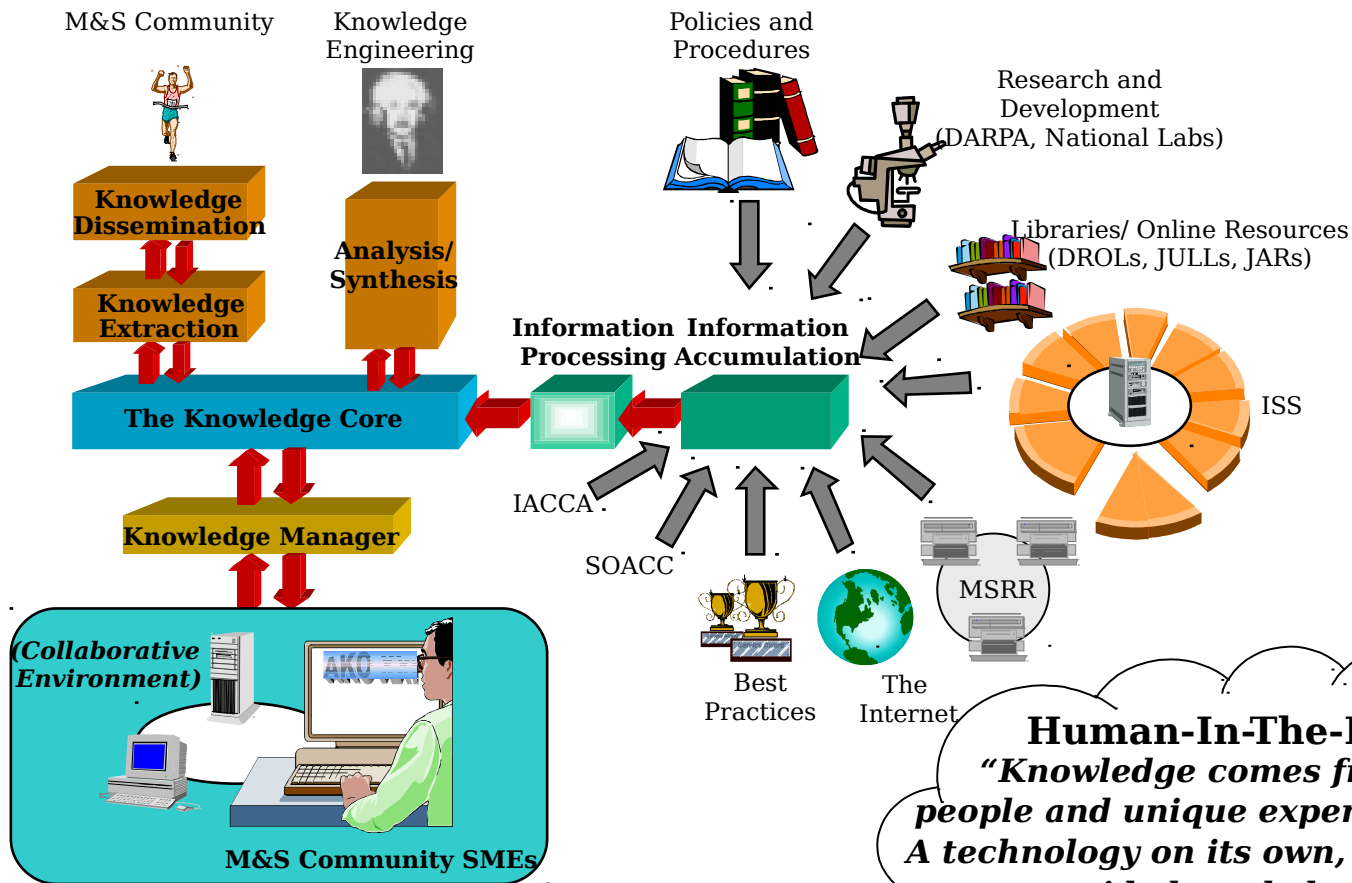
(703) 998-1623 pabold@msis.dmsi.mil

Back-up Slides

Collect, Maintain, Archive, & Access M&S STOSI



MSIAC: A Knowledge Based IAC



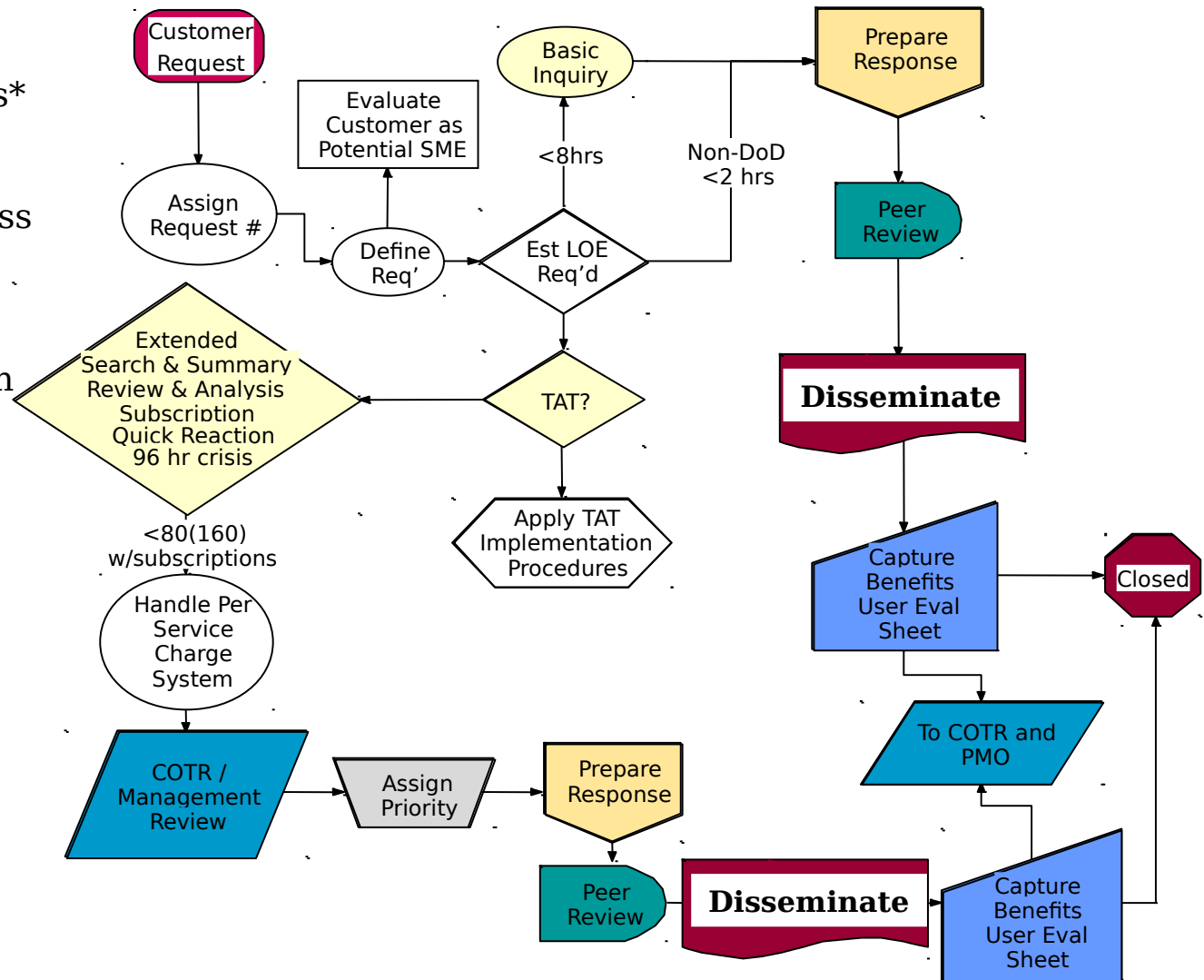
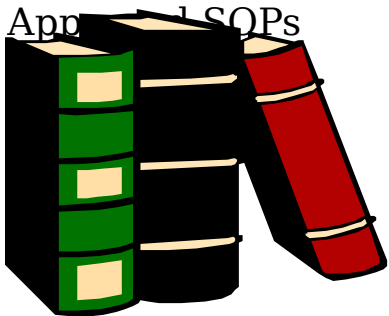
**“DoD Leaders in
Knowledge
Management”**

Human-In-The-Loop
*“Knowledge comes from
people and unique experiences.
A technology on its own, can not
provide knowledge”*
Ref: Army Knowledge Online
DISC4-SACC

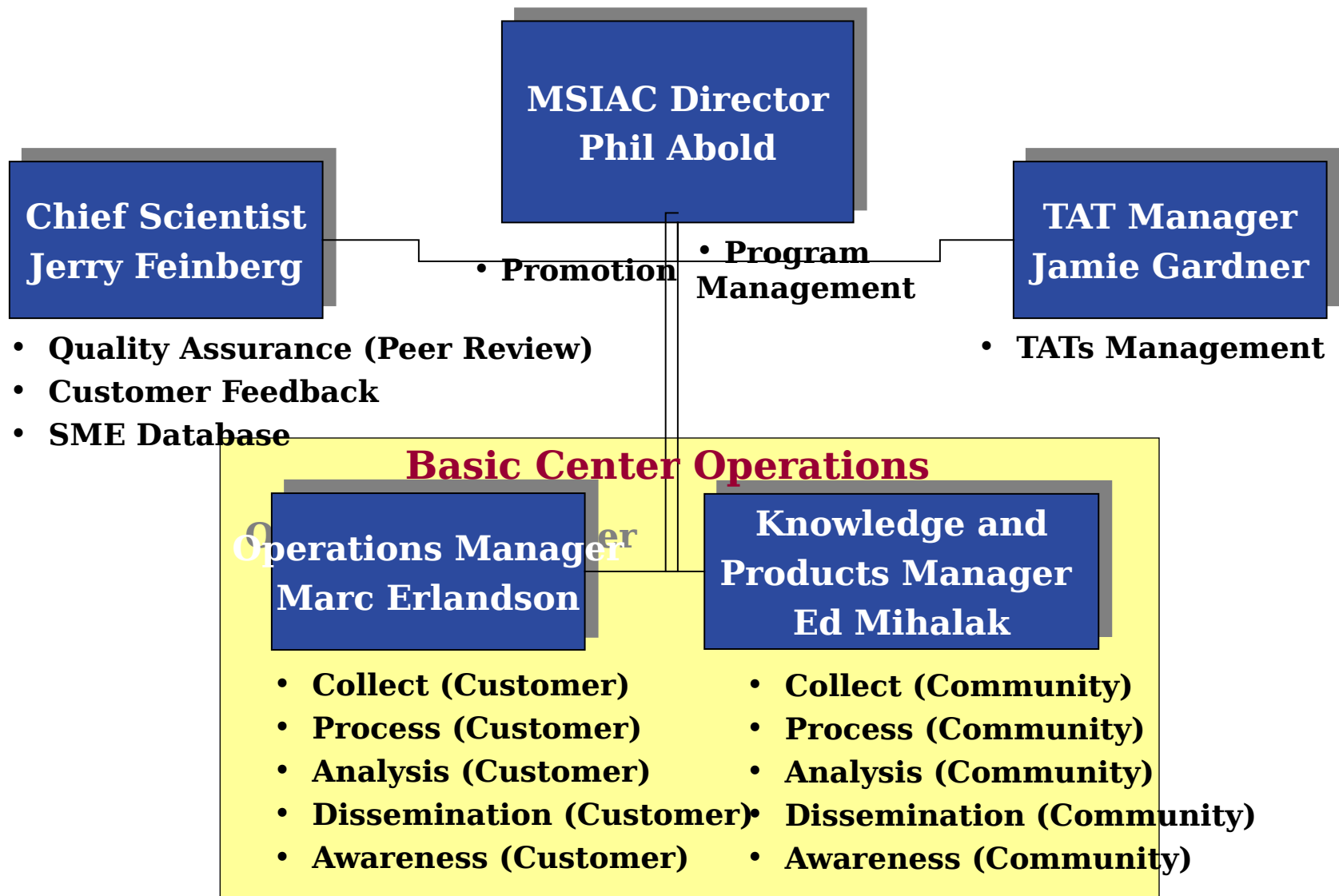
Customer Service Process*
Help Desk SOP*
Prioritization SOP*
Group Peer Review Process
Customer Feedback
Procedures

Software Dissemination Based on Existing Government

Appendix 1 SOPs



MSIAC Organizational Structure



MSIAC Services

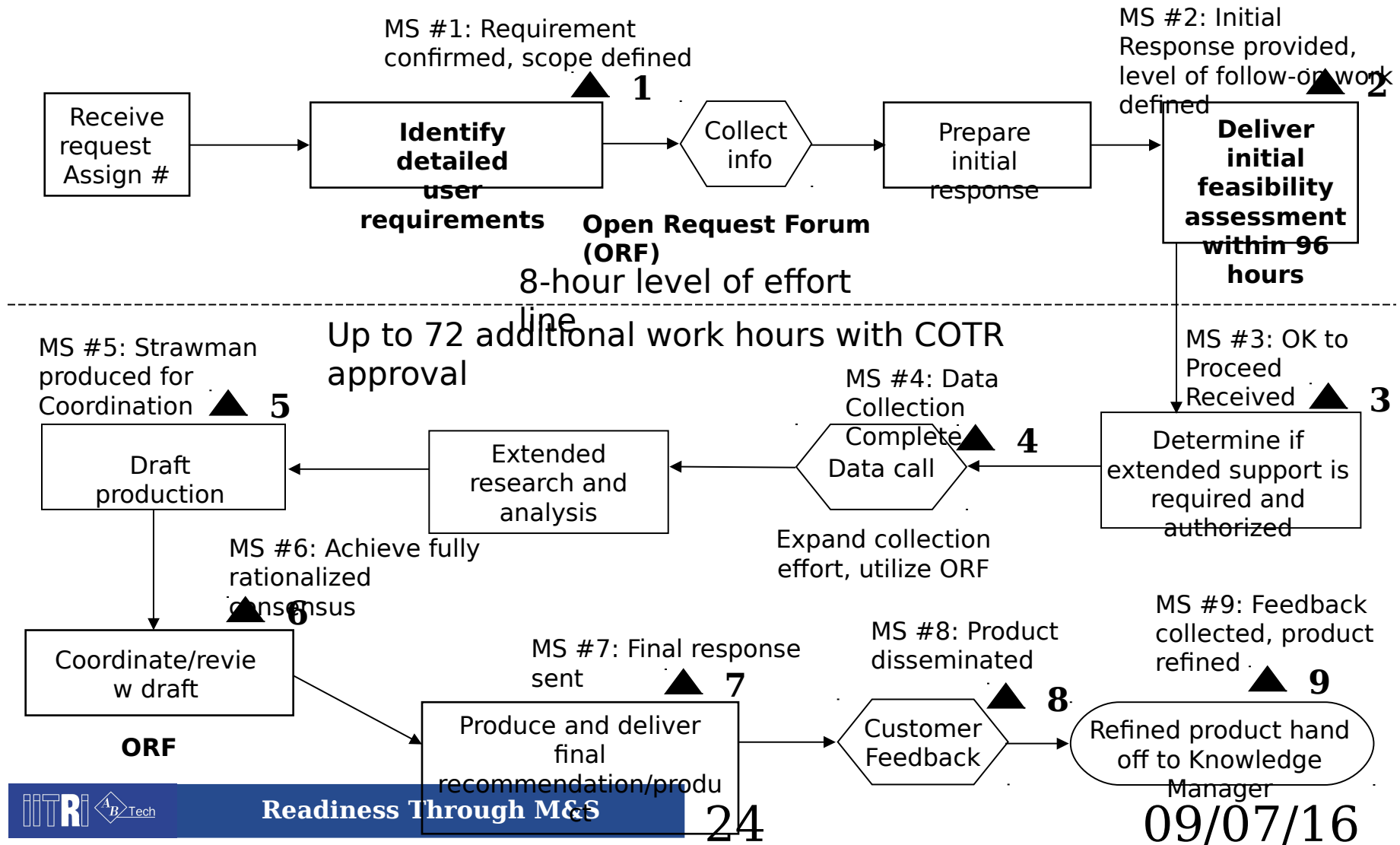
- The MSOSA M&S Help Desk, M&S Calendar, and Special Interest Area services remain in place and additional IAC functions focussed on M&S knowledge acquisition/dissemination and State of the Art Assessments are added
- Responses to basic M&S help desk inquiries provided free of charge within the following limits:
 - DoD customers - up to 8 staff hours of support
 - Other approved users - up to 2 staff hours
- Responses to inquiries requiring more extensive staff support (up to 80 staff hours) may be provided on a cost recoverable basis (subscription account)

Note: In those instances in which a customer does not have access to a subscription account, extended help desk inquiries can be supported as a TAT

What is MSIAC?

- As of 1 June, MSIAC was the new “one stop shop” for M&S information and assistance
- The functions of MSOSA and the DMSTTIAC have merged into a single activity
- MSIAC is the new Information Analysis Center (IAC) exclusively focused on supporting the M&S community
- DMSO and Defense Technical Information Center (DTIC) are Co-sponsors
- MSIAC provides scientific, technical, and operational support services to the M&S community ranging from responses to Basic

MSIAC Help Desk Process



Incorporating IITRI's IAC ISS into Day 1 MSIAC Represents Significant User Savings

IITRI ISS

Promotes
information reuse

- M&S Resource Library
- Graphical User Interface
- Client-Server Application
- Access Control
- IAC Data Integration
- COTR/PCO/PMO all access
- **Automated DROLS**

Online and Operating Today—Identified by DTIC as IAC Leader

